



Sheet 1 of 4

Form PTO-1449 U.S. Department of Commerce
Patent and Trademark OfficeLIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)ATTY DOCKET NO.
85142YASERIAL NO.
08/742,080APPLICANT
Mary J. Wirth, et al.

EXAMINER

FILING DATE
November 1, 1996GROUP
1501

U.S. PATENT DOCUMENTS

Exam. Inti.		Document Number	Date	Name	Class	Sub Class	Filing Date if Appropriate
ms	AA	T 985,010	5/3/77	Eichenbaum, et al.	385	41	
	AB	4,512,898	4/23/85	Oi, et al.	210	426	
	AC	4,604,207	8/5/86	Oi, et al.	210	435	
	AD	4,746,572	5/24/88	Glajch, et al.	423	403	
	AE	4,755,294	7/5/88	Pradet, et al.	210	446.2	
	AF	4,835,058	5/30/89	Komiya, et al.	428	405	
	AG	4,985,577	1/15/91	Shinohara, et al.	536	445	
	AH	5,154,822	10/13/92	Simpson, et al.	210	446.2	
	AI	5,209,976	05/93	Ogawa	428	391	

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		Document Number	Date	Country	Class	Sub Class	Translation Yes/No
ms	AJ	O 268 243	5/25/88	EPO	-	-	-
	AK	O 269 447	6/1/88	EPO	-	-	-
	AL	WO88/00860	2/11/88	PCT	-	-	-
	AM	61287444	12/17/86	Japan	-	-	-

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ms	AN	Patent Abstracts of Japan, Vol. 16, No. 15, pg. 1298, 91-233355, (October 17, 1991).					
	AO	YAMAMURA KAGAKU KE: "Carrier for Separation of Solute - Comprises Organic Silane Compound Containing Epoxy Group and PVA Bound to Surface of Inorganic Particles", J63210661-A, 880901, 8841, abstract.					
	AP	Wikstrom, P.: "Silanisation Method for Chromatographic Carrier Material - Involves Covalently Bonding Silane to Porous Material in Gas Phase at Increased Temperature and Reduces Pressure", SE8604805-A, 880511, 8833, abstract.					
	AQ	LENINGRAD LENSOVET TECH: "Silicon Dioxide Carrier Containing Molybdenum (5) - as a Uniform Monolayer of Oxide for use as a Catalyst", SU440338-A, 750214, 7533, abstract.					

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Exam. Inti.	Document Number	Date	Name	Class	Sub Class	Filing Date if Appropriate
111	AA 4,950,634	08/90	Williams, et al.	502	401	
	AB 4,847,159	07/89	Glajch, et al.	408	447	
	AC 4,600,646	07/86	Stout	408	405	
	AD 5,154,822	10.92	Simpson, et al.			
	AE					
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	AH					
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AN	P. Silberzan et al.; Silanation of Silica Surfaces. A New Method of Constructing Pure or Mixed Monolayers; pp. 1647-1651; Langmuir 1991, 7.
AO	Stephen R. Wasserman et al.; The Structure of Self-Assembled Monolayers of Alkylsiloxanes on Silicon: A Comparison of Results from Ellipsometry and Low-Angle X-ray Reflectivity; pp. 5852-5861; J. Am. Chem. Soc. 1989, 111.
AP	Terry A. Michalske et al.; The Fracturing of Glass; pp. 122-129; Scientific American; Vol. 257; No. 6; 1987.
AQ	Ralph K. Iler; The Chemistry of Silica; pp. 576-578, 598-599; 1979 (John Wiley & Sons).

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AN	M. Pomerantz et al.; Coverage of Si Substrates by Self-Assembling Monolayers and Multilayers as measured by IR, Wettability and X-ray Diffraction; pp. 153-162; Thin Solid Films; 132 (1985).
AO	Jacob Sagiv; Organized Monolayers by Adsorption. 1. Formation and Structure of Oleophobic Mixed Monolayers on Solid Surfaces; pp. 92-98; J. Amer. Chem. Soc. 102:1; January 2, 1980.
AP	Nolan Tillman et al.; Incorporation of Phenoxy Groups in Self-Assembled Monolayers of Trichlorosilane Derivatives: Effects on Film Thickness, Wettability and Molecular Orientation; pp. 6136-6144; J. Amer. Chem. Soc.; 1988; 110.
AQ	Colin D. Bain et al.; Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Head Group, Tail Group, and Solvent; pp. 7155-7164; J. Amer. Chem. Soc.; 1989; 111.

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AN	Colin D. Bain et al.; Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the Alkyl Chain; pp. 7164-7175; J. Amer. Chem. Soc.; 1989; 111.
AO	Rivka Maoz et al.: On the Formation and Structure of Self-Assembling Monolayers; pp. 465-496; Journal of Colloid and Interface Science; Vol. 100; No. 2; August 1984.
AP	Carey; Organic Chemistry, p. 146, 1987.
AQ	Gee, et al.: Journal of Colloid and Interface Science, 140(2):450-465 (December 1990)

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